



City of Hopewell

Water Source Overview

The major water source is the Appomattox River.

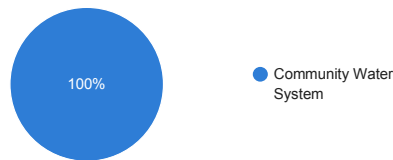
***Table 1:** Reported (2010) and projected (2040) water use by system type for Hopewell in MGD

Type	Reported Use 2010 MGD	Projected Use 2040 MGD
Community Water System	22.100	24.690

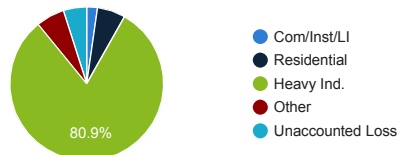
Water Use by System Type

There are no reported users of private groundwater wells for residential water supply. All tables and graphs represent reported water use including Sales to other localities, if applicable.

***Figure 1:** Percentage of reported water use by system type in 2010 (No use data shown on graph if less than .01 MGD: Refer to Table 1)



***Figure 2:** Disaggregated water use percentages for Community Water Systems in 2010 (No graph shown if no disaggregated use data reported)



***Table 2:** Reported (2010) and projected (2040) groundwater and surface water use for Hopewell in MGD

Reported 2010 Groundwater Use (MGD)	Reported 2010 Surface Water Use (MGD)	Projected 2040 Groundwater Use (MGD)	Projected 2040 Surface Water Use (MGD)
0.00	22.10	0.00	24.69

***Figure 3:** Hopewell highlighted in the Commonwealth of Virginia



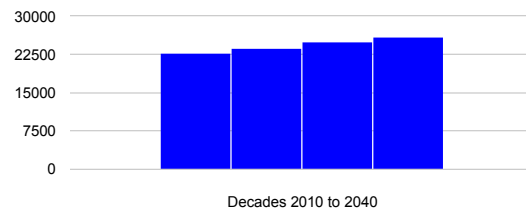
Projected Water Demand

The City of Hopewell projects population to increase during the planning period. Existing water sources are expected to meet projected demands.

***Table 3:** Hopewell population projections by decade from 2010 to 2040 (data gathered from VEC projections - 05/20/13)

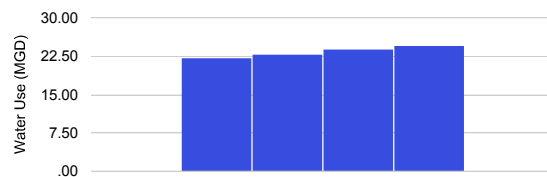
2010	2020	2030	2040	% Change (2010-2040)
22,591	23,702	24,844	25,818	13.6%

***Figure 4:** Hopewell population projections by decade for 2010, 2020, 2030 & 2040



***Table 4 & Figure 5:** Hopewell water demand trends by decade for 2010, 2020, 2030 & 2040 in MGD

Reported Use 2010 MGD	Projected Use 2020 MGD	Projected Use 2030 MGD	Projected Use 2040 MGD	Percent Change (2010-2040)
22.10	22.96	23.83	24.69	11.7%



Drought Management Practices

The Virginia American Water Company, which provides potable water to the City of Hopewell, has prepared a water conservation plan to implement responses to water shortages or emergencies. (Appomattox River Water Authority and the City of Hopewell Regional WSP)